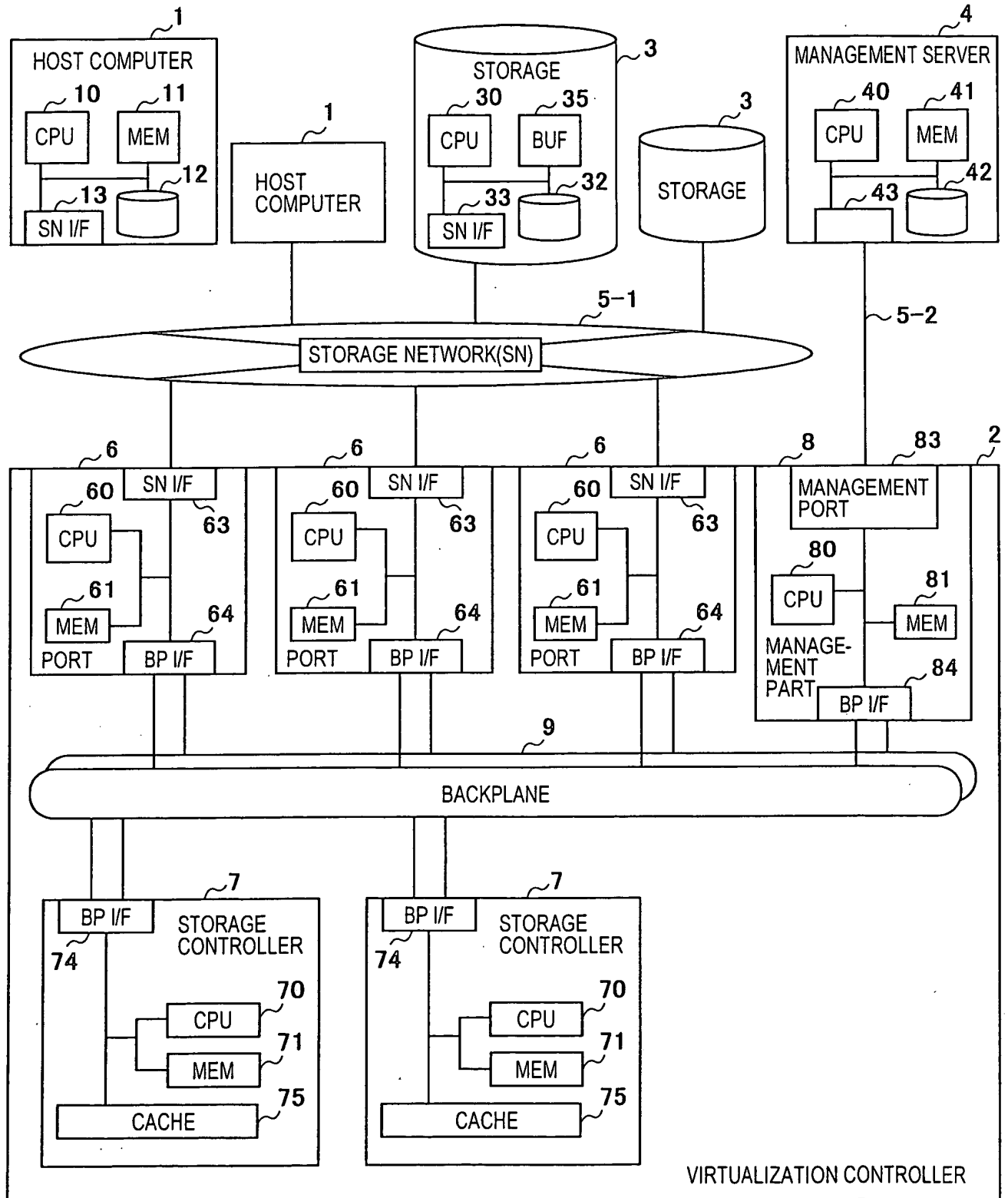


FIG. 1



VIRTUALIZATION CONTROLLER

FIG.2

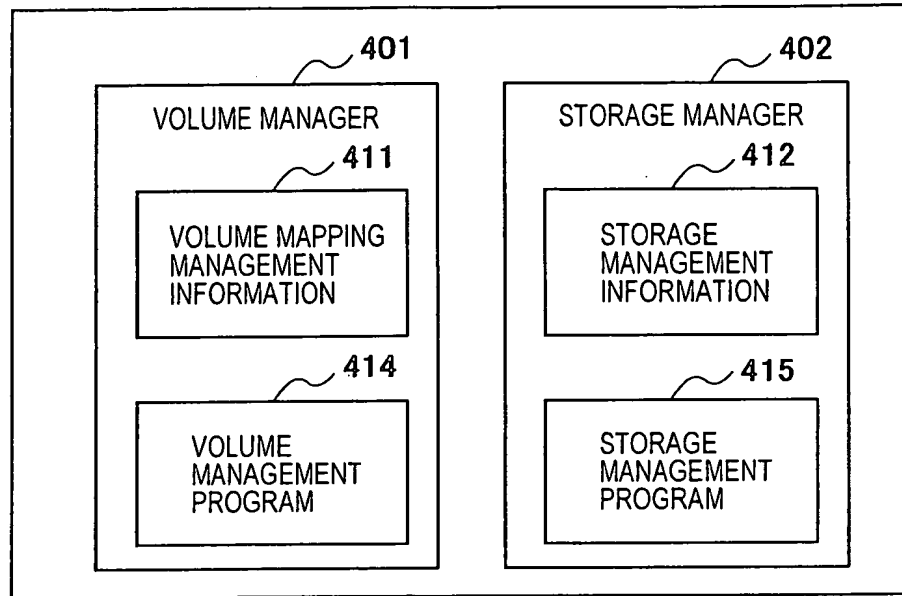


FIG.3

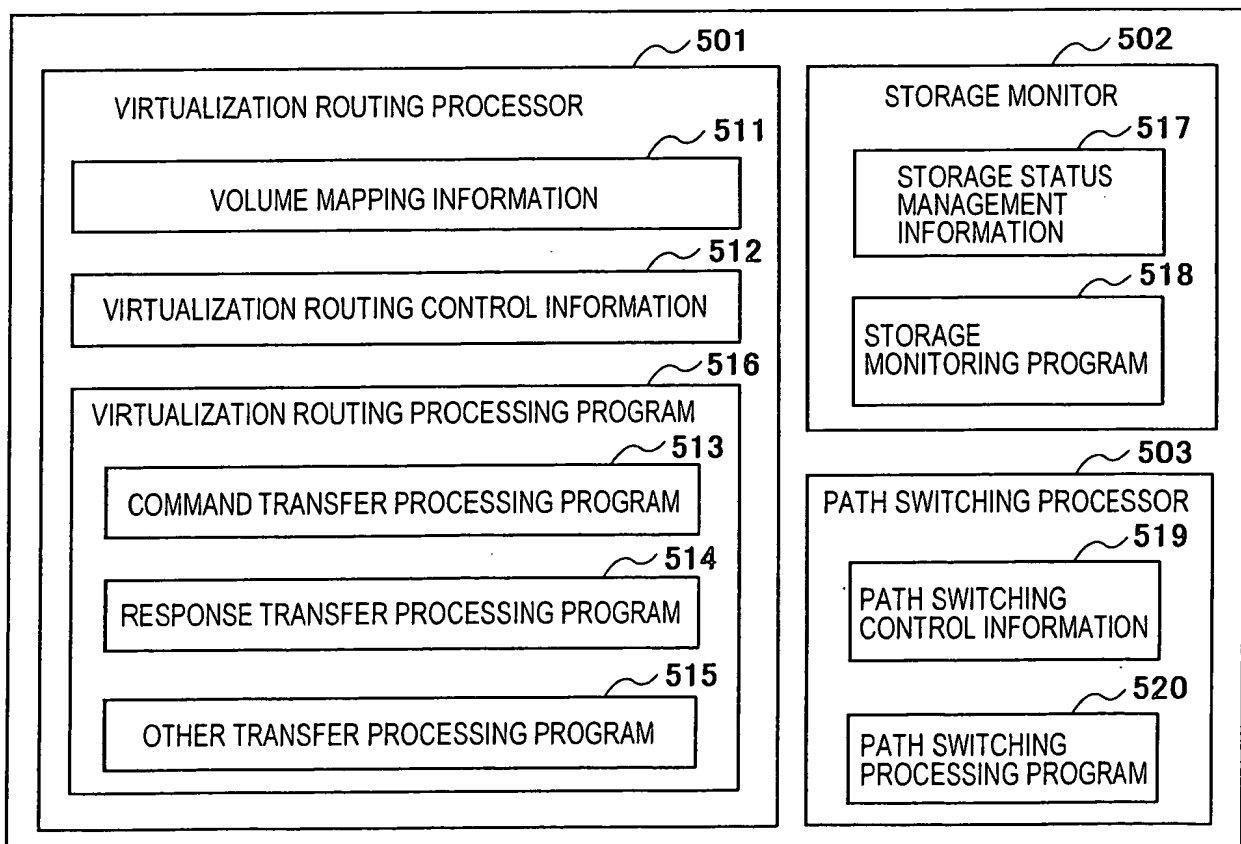


FIG. 4

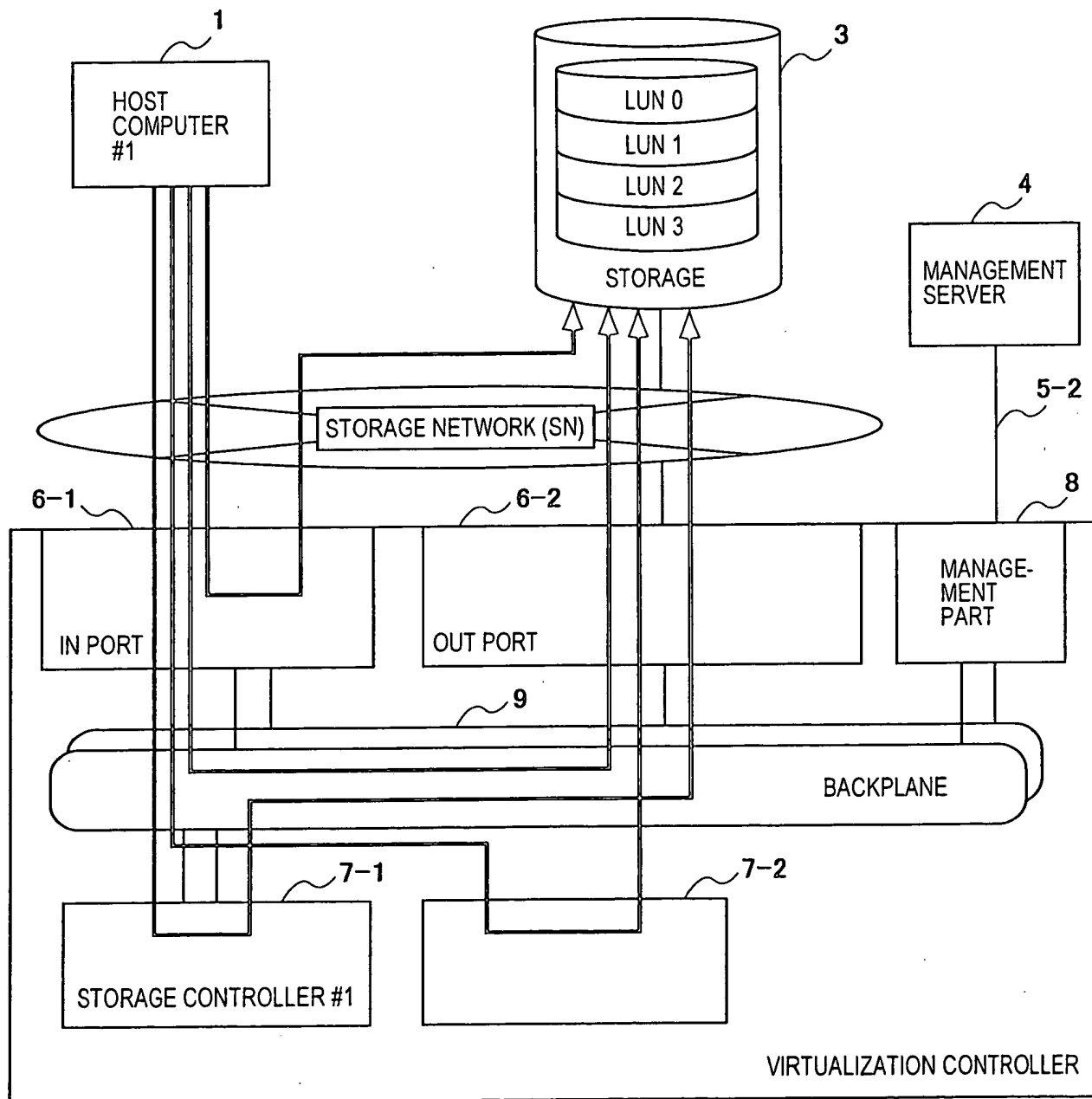


FIG.5

511 VIRTUAL VOLUME MANAGEMENT INFORMATION			531 REAL VOLUME MANAGEMENT INFORMATION			532 VIRTUALIZATION PROCESSING MODULE MANAGE- MENT INFORMATION	533 STORAGE CONNECTION MODULE MANAGEMENT INFORMATION	534 COMMAND PROCESSING MODE
PORT ID	PORT NAME	LUN	PORT ID	PORT NAME	LUN			
V_PID_1	V_PNAME_1	0	P_PID_1	V_PNAME_1	0	STORAGE CONTROLLER #1	OUT PORT	NORMAL
V_PID_2	V_PNAME_2	0	P_PID_1	V_PNAME_1	1	STORAGE CONTROLLER #1	OUT PORT	NORMAL
V_PID_3	V_PNAME_3	0	P_PID_1	V_PNAME_1	2	OUT PORT	OUT PORT	NORMAL
V_PID_4	V_PNAME_4	0	P_PID_1	V_PNAME_1	3	OUT PORT	OUT PORT	NORMAL
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG.6

512 SENDING SOURCE MANAGEMENT INFORMATION		541 SENDING DESTINATION MANAGEMENT INFORMATION	
SENDING SOURCE IDENTIFICATION INFORMATION	SENDING SOURCE COMMAND IDENTIFICATION INFORMATION	SENDING DESTINATION IDENTIFICATION INFORMATION	COMMAND IDENTIFICATION INFORMATION
HOST_PID_1	HOST_TAG_1	STORAGE CONTROLLER #1	INPORT_TAG_1
HOST_PID_1	HOST_TAG_2	STORAGE CONTROLLER #1	INPORT_TAG_2
HOST_PID_1	HOST_TAG_3	OUT PORT	INPORT_TAG_3
HOST_PID_1	HOST_TAG_4	OUT PORT	INPORT_TAG_4
⋮	⋮	⋮	⋮

FIG. 7

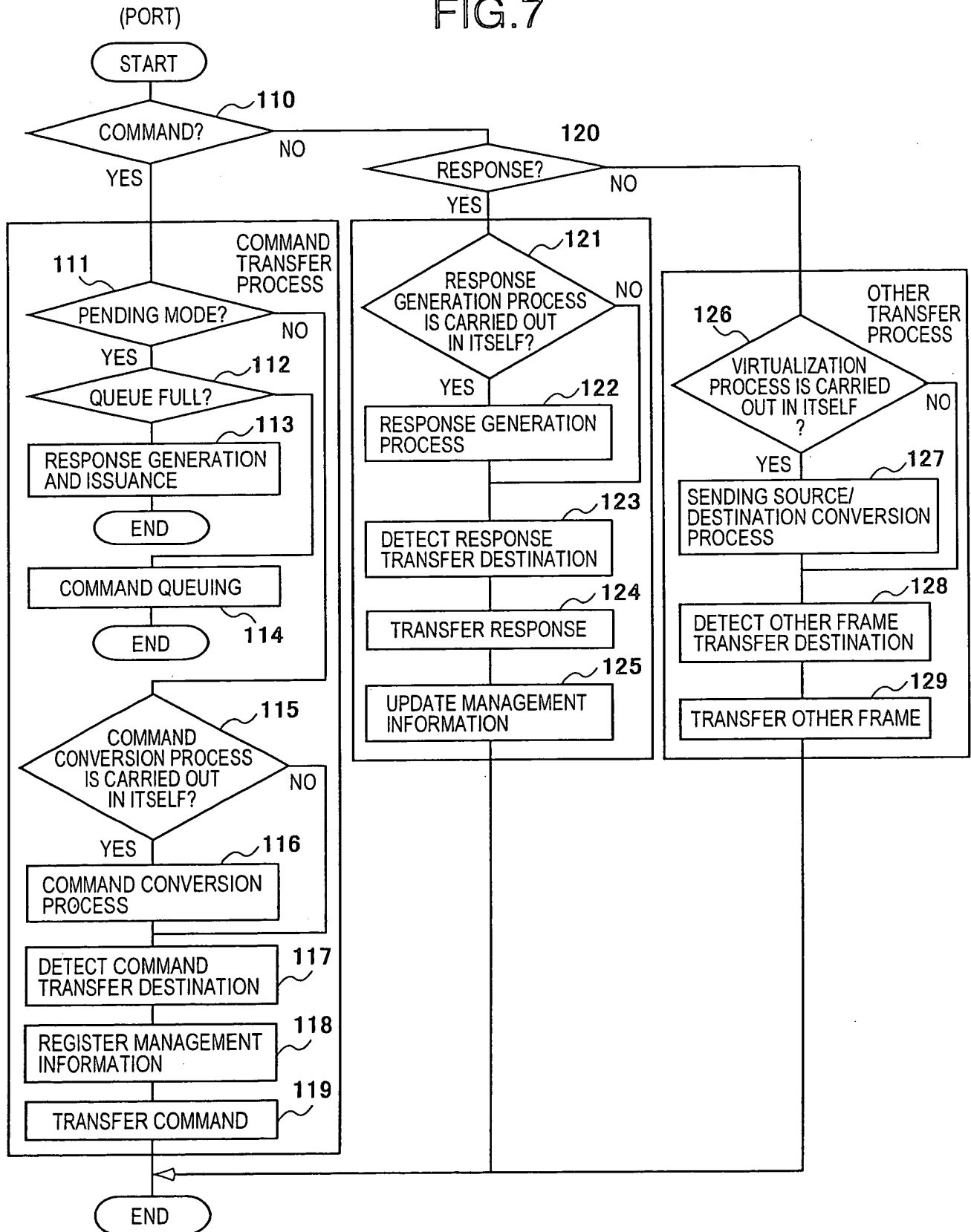


FIG.8

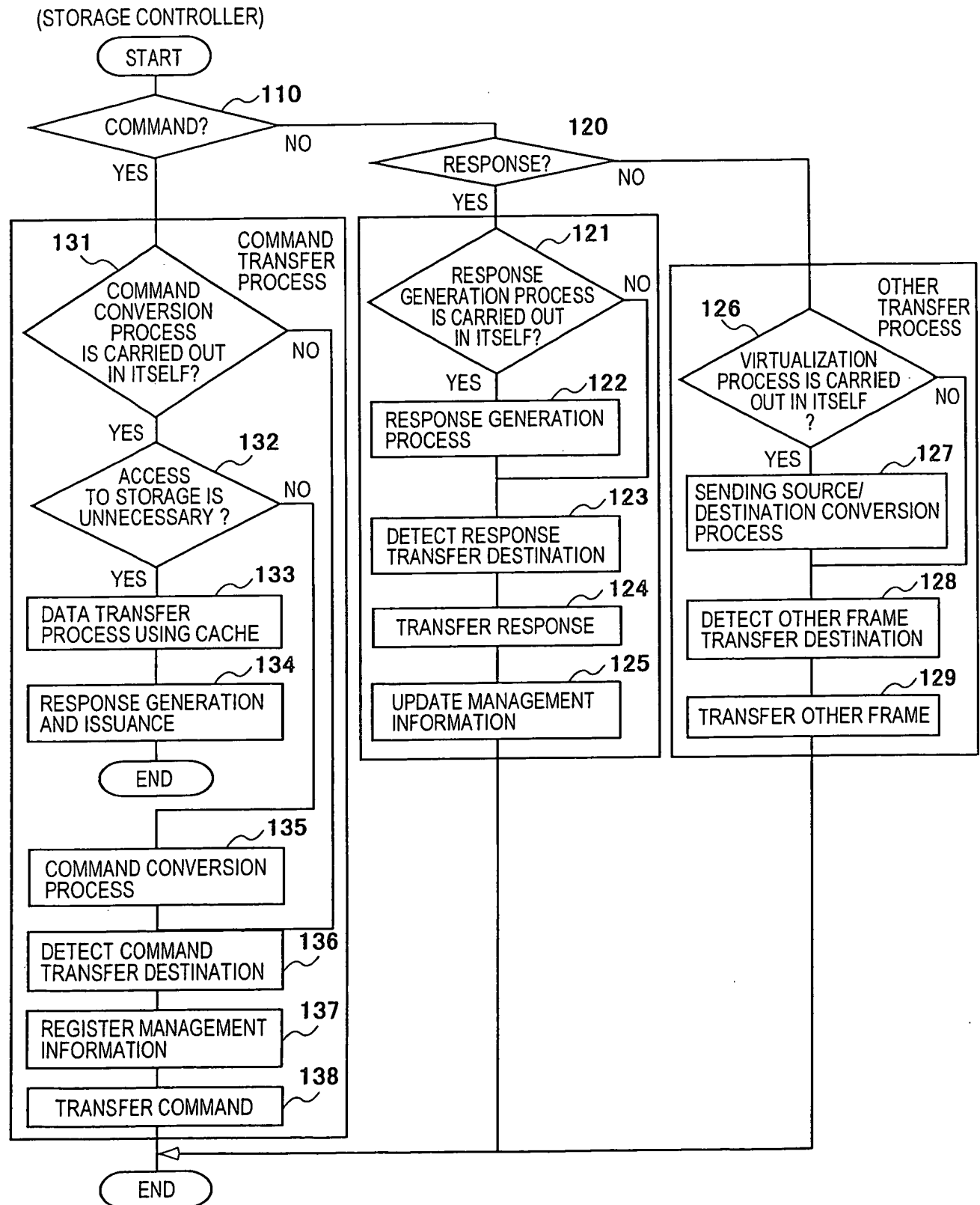


FIG.9

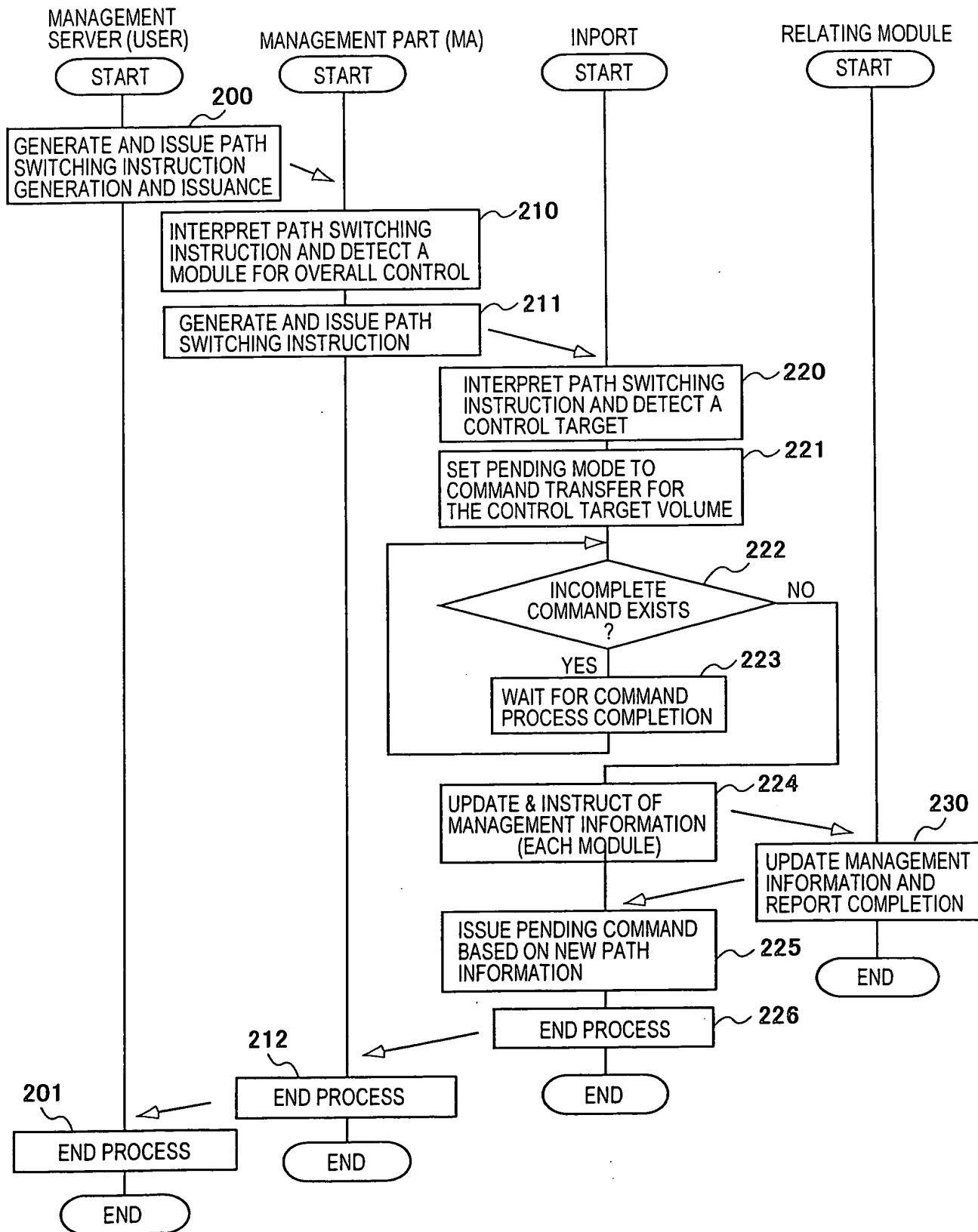


FIG.10

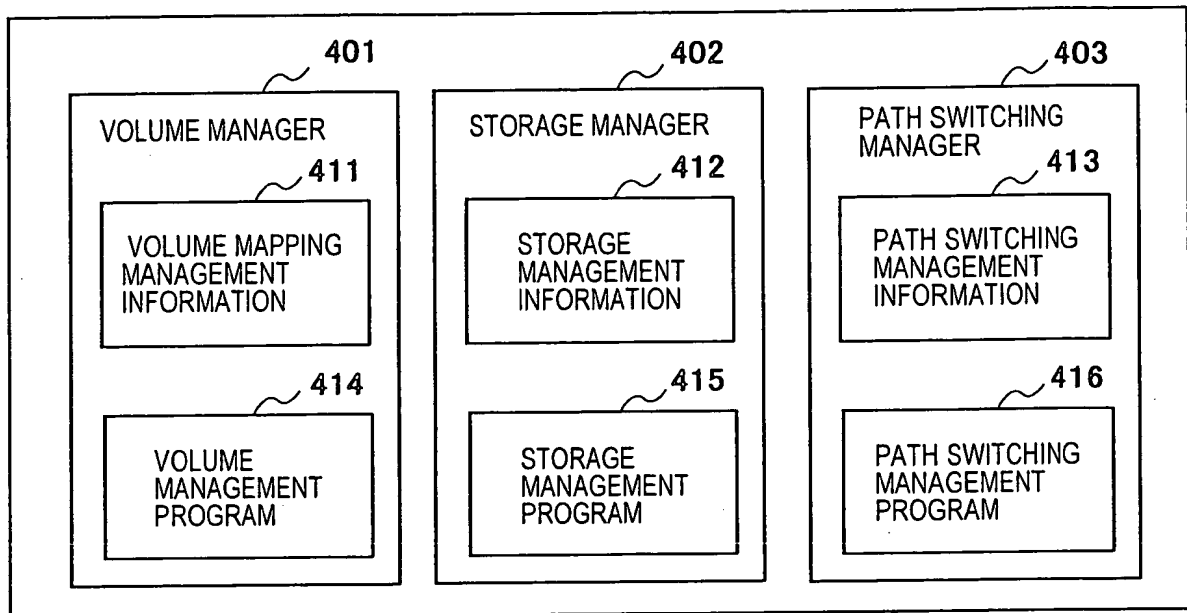




FIG. 11

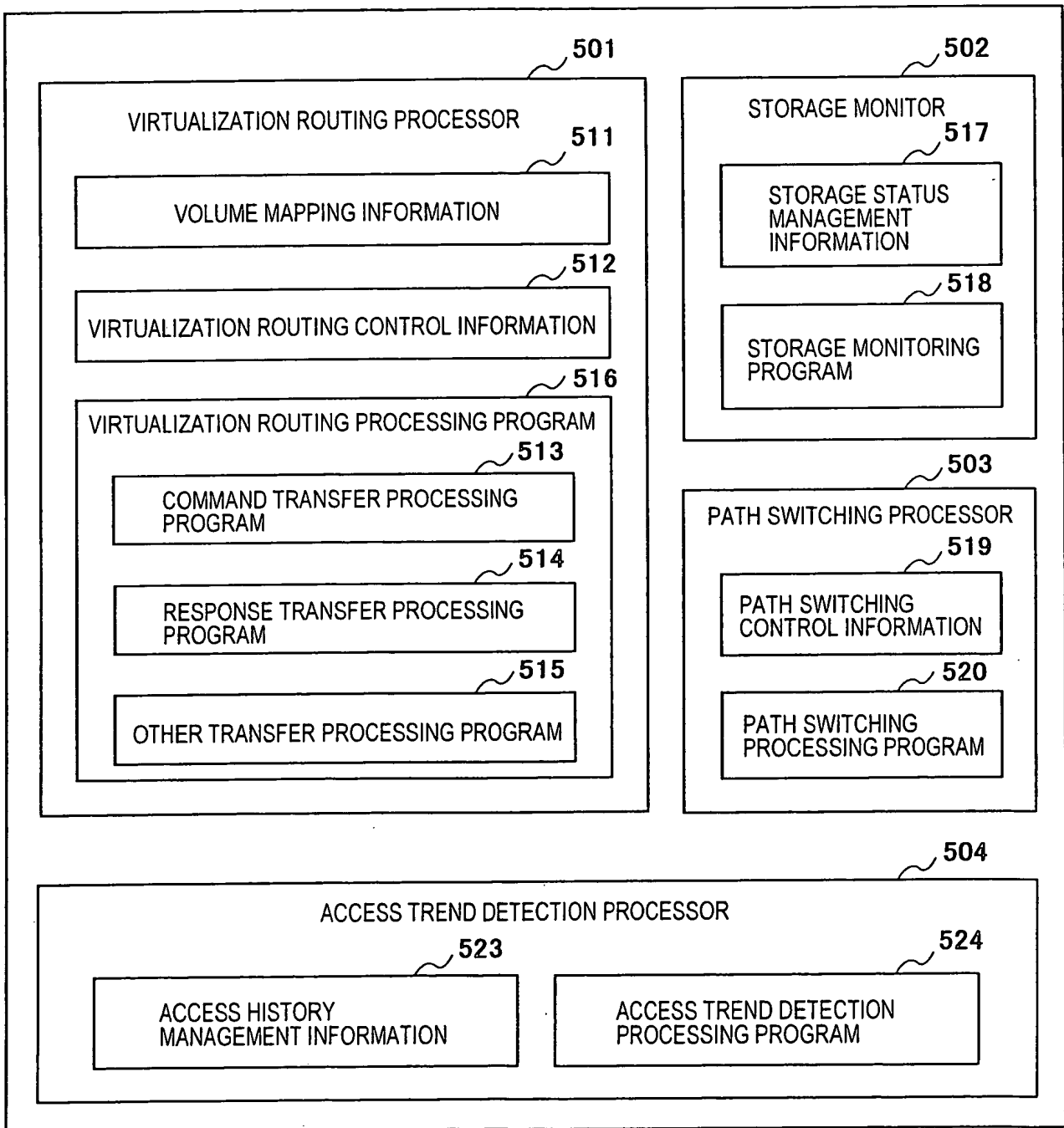


FIG.12

550 ACCESS TYPE		551 WEIGHED FACTOR
READ TYPE ACCESS	PROXIMAL ACCESS	2
	IDENTICAL ADDRESS ACCESS	1
	CONTINUOUS ADDRESS ACCESS	-1
	OTHER ACCESS (THE FIRST ACCESS)	0
WRITE TYPE ACCESS	ROXIMAL ACCESS	0
	IDENTICAL ADDRESS ACCESS	1
	CONTINUOUS ADDRESS ACCESS	-2
	OTHER ACCESS (THE FIRST ACCESS)	0

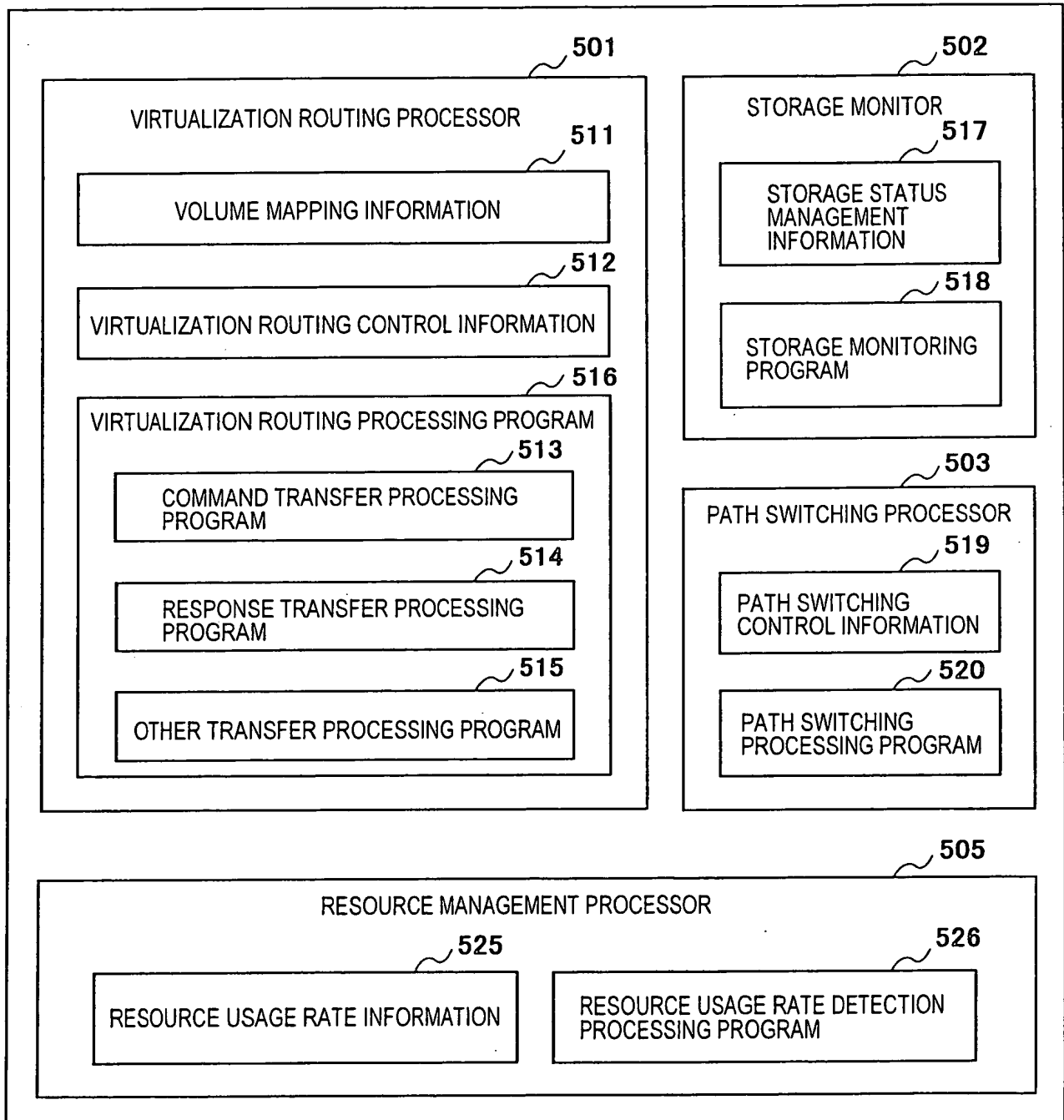
FIG.13

523 ACCESS TYPE		552 LUN 0    LUN 1    LUN 2    LUN 3			
READ TYPE ACCESS	PROXIMAL ACCESS	100	50	10	0
	IDENTICAL ADDRESS ACCESS	100	50	10	0
	CONTINUOUS ADDRESS ACCESS	0	10	100	0
	OTHER ACCESS	10	10	10	10
WRITE TYPE ACCESS	ROXIMAL ACCESS	10	50	0	0
	IDENTICAL ADDRESS ACCESS	10	50	0	0
	CONTINUOUS ADDRESS ACCESS	0	10	0	100
	OTHER ACCESS	10	10	0	10

FIG.14

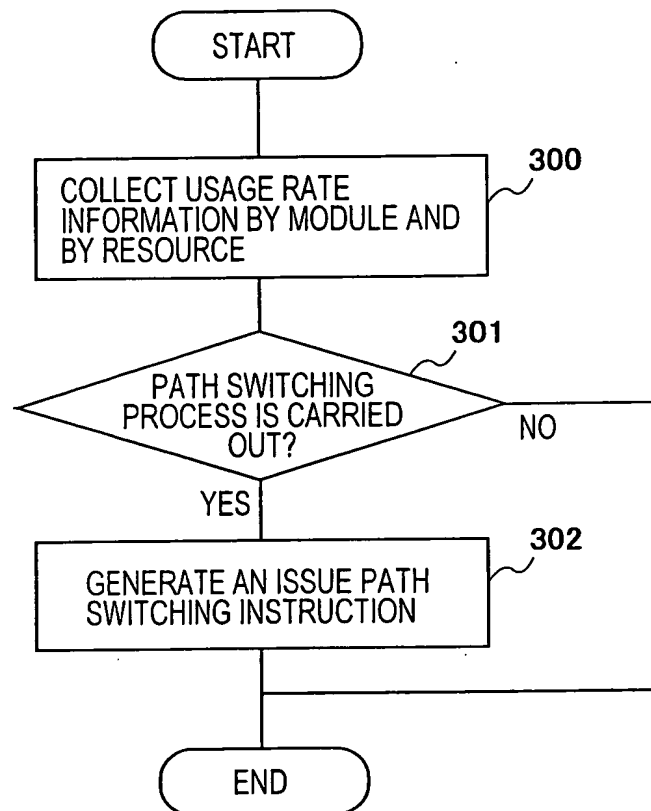
523 ACCESS TYPE		552 LUN 0   LUN 1   LUN 2   LUN 3			
READ TYPE ACCESS	PROXIMAL ACCESS	10	50	10	0
	IDENTICAL ADDRESS ACCESS	10	50	10	0
	CONTINUOUS ADDRESS ACCESS	200	10	100	0
	OTHER ACCESS	10	10	10	10
WRITE TYPE ACCESS	ROXIMAL ACCESS	0	50	0	0
	IDENTICAL ADDRESS ACCESS	0	50	0	0
	CONTINUOUS ADDRESS ACCESS	0	10	0	100
	OTHER ACCESS	10	10	0	10

FIG.15



## FIG.16

(MANAGEMENT PART)



[illegible]

FIG. 18

[illegible]

FIG.19

